

For Research Use Only

# GUCY2D Polyclonal antibody, PBS Only

Catalog Number:55127-1-PBS



## Basic Information

**Catalog Number:**

55127-1-PBS

**Size:**

100ug , Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_000180

**GeneID (NCBI):**

3000

**UNIPROT ID:**

Q02846

**Full Name:**

guanylate cyclase 2D, membrane (retina-specific)

**Calculated MW:**

120 kDa

**Observed MW:**

120 kDa, 95 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human, mouse, rat

## Background Information

GUCY2D, also named as CORD6, GUC1A4, GUC2D, RETGC, RETGC1 and ROS-GC, belongs to the adenylyl cyclase class-4/guanylyl cyclase family. It probably plays a specific functional role in the rods and/or cones of photoreceptors. It may be the enzyme involved in the resynthesis of cGMP required for recovery of the dark state after phototransduction. A number of nonsense and frameshift mutations in the GUCY2D gene have been identified in LCA1 patients. Defects in GUCY2D are the cause of cone-rod dystrophy type 6 (CORD6). GUCY2D is responsible for many reported cases of autosomal dominant CRDs. The antibody is specific to GUCY2D.

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

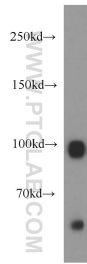
For technical support and original validation data for this product please contact:

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## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 55127-1-AP (GUCY2D antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 55127-1-PBS in a different storage buffer formulation.